

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 10/21/1982
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Anabolic Steroids, Urine - Screen with Reflex to Confirmation

ARUP test code 2008682

Anabolic Steroids Screen, Urine

See Note

| Analysis and Comments | Result | Units |
|---|----------|-------|
| Bolasterone Urine Reporting Limit: 10 ng/mL Synonym(s): 4-androsten-7alpha,17alpha-dimethyl-17beta-ol-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Boldenone Urine Reporting Limit: 10 ng/mL Synonym(s): 1-dehydrotestosterone Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Clostebol Urine Reporting Limit: 10 ng/mL Synonym(s): 4-androsten-4-chloro-17beta-ol-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Clostebol Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): 4-chloro-4-androsten-3alpha-ol-17-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Clenbuterol Urine Reporting Limit: 10 ng/mL Synonym(s): Planipart(R) Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Drostanolone Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): 2alpha-methyl-5alpha-androstan-3alpha-ol-17-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Norethandrolone Urine Reporting Limit: 10 ng/mL Synonym(s): 17-hydroxy-19-norpregn-4-en-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Fluoxymesterone Urine Reporting Limit: 10 ng/mL | None Det | ng/mL |

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 18-204-400638
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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Synonym(s):
9alpha-fluoro-11beta,17beta-dihydroxy-17alpha-methyl-androst-4-en-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Methandrostenolone None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s):
17-hydroxy-17-methylandrosta-1,4-dien-3-one;
Methandienone
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Methandrostenolone Metabolite None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s): Methandienone Metabolite;
6beta-hydroxymethandienone
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Methenolone None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s):
(5alpha,17beta)-17-hydroxy-1-methylandrosta-1-en-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Methyltestosterone None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s):
17beta-hydroxy-17alpha-methylandrosta-4-en-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Nandrolone See note ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s): 17beta-hydroxy-19-norandrosta-4-en-3-one
Comment:
Based on this screening result, confirmation testing
was performed. Refer to the confirmation test
result(s).
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Nandrolone Metabolite See note ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s): 5alpha-estran-3alpha-ol-17-one;
norandrosterone
Comment:
Based on this screening result, confirmation testing
was performed. Refer to the confirmation test
result(s).
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Norandrostenedione None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s): 4-estren-3,17-dione
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Norethandrolone Metabolite None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

Synonym(s):
17alpha-ethyl-5beta-estrane-3alpha,17beta-diol
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Norethindrone None Det ng/mL
Urine
Reporting Limit: 10 ng/mL

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Patient: Patient, Example
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Synonym(s): Ortho-Novum(R); Camila(R)
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Oxandrolone None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17beta-hydroxy-17alpha-methyl-2-oxandrostane-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Oxymetholone Metabolite None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17alpha-methyl-5alpha-androstane-3alpha,17beta-diol;
Mestanolone Metabolite; Methyltestosterone Metabolite
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Probenecid None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s): Benemid(R)
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Stanozolol None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17alpha-methyl-2'H-androst-2-eno[3,2-c]pyrazol-17beta-o
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Stanozolol Metabolite None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s): 3'-hydroxystanozolol
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Turinabol None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s): dehydrochlormethyltestosterone
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Tetrahydrogestrinone None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s): THG;
18alpha-homo-17-hydroxy-19-nor-17alpha-pregna-4,9,11-tr
ien-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Trenbolone Metabolite None Det ng/mL
Urine
Reporting Limit: 10 ng/mL
Synonym(s): 17a-trenbolone
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Testosterone See note ng/mL
Urine
Reporting Limit: 2.0 ng/mL
Synonym(s): 17beta-hydroxyandrost-4-en-3-one
Comment:
Based on this screening result, confirmation testing
was performed. Refer to the confirmation test
result(s).
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Epitestosterone See note ng/mL
Urine
Reporting Limit: 2.0 ng/mL

H=High, L=Low, *=Abnormal, C=Critical

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500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 18-204-400638
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Synonym(s): 4-androsten-17alpha-ol-3-one
 Comment:
 Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).
 Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Testosterone / Epitestosterone Ratio See note
 Urine
 Comment:
 Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).
 Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Creatinine 2851 mg/L
 Urine
 Reporting Limit: 100 mg/L
 U.S. Population (10th - 90th percentiles, median)
 All participants:
 335 - 2370 mg/L, median 1180 (n=22,245)
 Males: 495 - 2540 mg/L, median 1370 (n=10,610)
 Females: 273 - 2170 mg/L, median 994 (n=11,635)
 Analysis by Colorimetry (C)
 Testing performed at NMS Labs, Inc.
 3701 Welsh Road
 Willow Grove, PA 19090-2910
 CLIA 39D0197898

Anabolic Steroids Confirmation, Urine

ARUP test code 2008684

Anabolic Steroids Confirmation, Urine

| Analysis and Comments | Result | Units |
|---|----------|-------|
| See Note | | |
| Bolasterone Urine Reporting Limit: 10 ng/mL Synonym(s): 4-androsten-7alpha,17alpha-dimethyl-17beta-ol-3-one Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Boldenone Urine Reporting Limit: 10 ng/mL Synonym(s): 1-dehydrotestosterone Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Clostebol Urine Reporting Limit: 10 ng/mL Synonym(s): 4-androsten-4-chloro-17beta-ol-3-one Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Clostebol Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): 4-chloro-4-androsten-3alpha-ol-17-one Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Clenbuterol Urine Reporting Limit: 10 ng/mL Synonym(s): Planipart(R) Analysis by High Performance Liquid Chromatography/ | None Det | ng/mL |

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

| | | |
|--|----------|-------|
| Tandem Mass Spectrometry (LC-MS/MS) Drostanolone Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): 2alpha-methyl-5alpha-androstan-3alpha-ol-17-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Norethandrolone Urine Reporting Limit: 10 ng/mL Synonym(s): 17-hydroxy-19-norpregn-4-en-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Fluoxymesterone Urine Reporting Limit: 10 ng/mL Synonym(s): 9alpha-fluoro-11beta,17beta-dihydroxy-17alpha-methyl-an drost-4-en-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Methandrostenolone Urine Reporting Limit: 10 ng/mL Synonym(s): 17-hydroxy-17-methylandrosta-1,4-dien-3-one; Methandienone Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Methandrostenolone Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): 6beta-hydroxymethandienone; Methandienone Metabolite Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Methenolone Urine Reporting Limit: 10 ng/mL Synonym(s): (5alpha,17beta)-17-hydroxy-1-methylandro-1-en-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Methyltestosterone Urine Reporting Limit: 10 ng/mL Synonym(s): 17beta-hydroxy-17alpha-methylandro-4-en-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Nandrolone Urine Reporting Limit: 10 ng/mL Synonym(s): 17beta-hydroxy-19-norandro-4-en-3-one Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Nandrolone Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): 5alpha-estran-3alpha-ol-17-one; Norandrosterone Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | Positive | ng/mL |
| Norandrosterone Urine Reporting Limit: 10 ng/mL Synonym(s): 4-estren-3,17-dione Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |
| Norandrosterone Metabolite Urine Reporting Limit: 10 ng/mL Synonym(s): Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | None Det | ng/mL |

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500 Chipeta Way, Salt Lake City, UT 84108-1221
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Patient: Patient, Example
ARUP Accession: 18-204-400638
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Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17alpha-ethyl-5beta-estrane-3alpha,17beta-diol
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Norethindrone None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s): Camila(R); Ortho-Novum(R)
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Oxandrolone None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17beta-hydroxy-17alpha-methyl-2-oxandrostane-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Oxymetholone Metabolite None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17alpha-methyl-5alpha-androstane-3alpha,17beta-diol;
mestanolone metabolite; methyltestosterone metabolite
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Probenecid None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s): Benemid(R)
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Stanozolol None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s):
17alpha-methyl-2'H-androst-2-eno[3,2-c]pyrazol-17beta-o
l
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Stanozolol Metabolite None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s): 3'-hydroxystanozolol
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Turinabol None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s): dehydrochloromethyltestosterone
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Tetrahydrogestrinone None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s):
18alpha-homo-17-hydroxy-19-nor-17alpha-pregna-4,9,11-tr
ien-3-one; THG
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Trenbolone Metabolite None Det ng/mL

Urine
Reporting Limit: 10 ng/mL
Synonym(s): 17a-trenbolone
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Testing performed at NMS Labs, Inc.
3701 Welsh Road
Willow Grove, PA 19090-2910
CLIA 39D0197898

H=High, L=Low, *=Abnormal, C=Critical

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Patient: Patient, Example
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Performed at: National Medical Services, 3701 Welsh Road, Willow Grove, PA 19090

Testosterone/Epitestosterone Ratio Confirmation, Urine

ARUP test code 2010049

Epitestosterone Confirmation, Urine

5.1 ng/mL

Urine
Reporting Limit: 2.0 ng/mL
Synonym(s): 4-androsten-17alpha-o1-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)

Testosterone Confirmation, Urine

260 ng/mL

Urine
Reporting Limit: 20 ng/mL
Synonym(s): 17beta-hydroxyandrost-4-en-3-one
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)

Testosterone/Epitestosterone Ratio Conf

50

Urine
A T/E ratio less than 4.0 is considered normal, while a ratio greater than or equal to 4.0 is considered an abnormal finding suggestive of testosterone use/abuse. This cut-off for the T/E ratio is recommended by the World Anti-Doping Agency.
Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)
Testing performed at NMS Labs, Inc.
3701 Welsh Road
Willow Grove, PA 19090-2910
CLIA 39D0197898

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Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

| Procedure | Accession | Collected | Received | Verified/Reported |
|---|---------------|----------------------|-----------------------|---------------------|
| Anabolic Steroids Screen, Urine | 18-204-400638 | 7/23/2018 6:50:00 AM | 7/24/2018 4:03:54 PM | 8/7/2018 1:04:00 PM |
| Anabolic Steroids Confirmation, Urine | 18-204-400638 | 7/23/2018 6:50:00 AM | 7/30/2018 12:01:36 PM | 8/7/2018 1:04:00 PM |
| Epitestosterone Confirmation, Urine | 18-204-400638 | 7/23/2018 6:50:00 AM | 7/26/2018 12:24:19 PM | 8/7/2018 1:04:00 PM |
| Testosterone Confirmation, Urine | 18-204-400638 | 7/23/2018 6:50:00 AM | 7/26/2018 12:24:19 PM | 8/7/2018 1:04:00 PM |
| Testosterone/Epitestosterone Ratio Conf | 18-204-400638 | 7/23/2018 6:50:00 AM | 7/26/2018 12:24:19 PM | 8/7/2018 1:04:00 PM |

END OF CHART

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